

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☐ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
All respondents must complete this section.			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name		County	
Sonoma County Waste Management Agency		Sonoma County	
Authorized Signature		Title	
<i>Donna Caldwell</i>		<i>Department Analyst</i>	
Type/Print Name of Person Signing		Date	Phone () Include Area Code
Donna Caldwell		June 20, 2005	(707) 565-3576
Person Completing This Form (please print or type)		Title	
Steve Hammen			
Affiliation: R3 Consulting Group			
Mailing Address		City	State ZIP Code
2300 County Center Drive, Suite 100 B		Santa Rosa	CA 95403
E-Mail Address			

Section II: Information for New Generation-Based Study for Existing or New Base Year	
Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").	
<i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>	
1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	2003
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:	
The 2003 Waste Generation Study has documented extensive diversion in County businesses , materials processors and agriculture. The County has instituted many waste diversion programs over the past 13 years, the results of which is represented in this study.	

4. Enter diversion rate information below.			
Diversion rate calculated using existing base year	a. 38 %	Diversion rate calculated using new generation-based study	b. 55 %
For existing base year pounds/person/day based on generation	9.3	For new generation based study pounds/person/day based on generation	13.6
Residential generation 20 %	Non-Residential generation 80 %	Residential generation 67% %	Non-Residential generation 33% %
Population existing generation-based study		Population new generation-based study 469,460	
5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).			
The 1990 waste generation figure grossly underestimated the percentage of waste from the residential sector. In addition, the County population has grown rapidly. There has also been a large increase in the tonnages generated by the wineries and materials processors in the County.			
6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)			
The County has implemented extensive programs including a C and D program and financial incentives for diversion of inerts, and recently banned the disposal of inerts at Central landfill. The 2003 study has documented extensive business waste reduction programs that did not exist in 1990. The County has also implemented operational improvements at Central Landfill including the Recycle town Resue area, sorting of tires, metals and appliances, yard debris, wood waste and other materials at the new tipping building. The following programs have been implemented and recently expanded: backyard composting, residential curbside, agency grasscycling, school recycling, procurement and County in-house recycling, special collections, increased number of dropoff and buyback facilities. The County has also banned disposal of yard debris from the landfill.			

7. Disposal Tonnage (enter values):	350683	172724	523407
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note:** *The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.* Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting	3676	0.3%	Food waste and green waste	63.5 tons/month food waste and 2,913.9 tons per month of greenwaste at 70% participation rate	UCCE Surveys -see attached UCCE Annual Report-See Attachment F-Backyard Composting
Grasscycling		0.0%			
Other Residential Source Reduction (list each program separately)					
Dropoff Centers	624	0.1%	reuse of fixtures, furniture, etc.	Actual tonnages	SCWMA Reports-See Attachment C- Buyback Center Source Reduction
		0.0%			
		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	4300	0.4%			
Residential Recycling Activities					
Curbside Recycling	49010	4.2%	Newspaper, OCC, mixed paper, office paper, tin cans, mixed plastic, glass, aluminum, HDPE, PETE	Actual tonnages and CRV reporting system	SCWMA reports, DOC-See Attachment A -Residential Curbside Recycling
Buyback Centers	5852	0.5%	OCC, mixed paper, aluminum, glass, PETE, HDPE, Bimetal	Actual tonnages, CRV Reporting System	Petaluma Recycling Center and DOC See Attachment B- Buyback Center Data
Drop-off Centers	18922	1.6%	Newspaper, OCC, mixed paper, window panes, tin cans, dirt, concrete, rock, porcelain fixtures, mixed plastics tires, wood, glass, PETE, HDPE, Aluminum	Actual weight and CRV reporting system	Transfer station reports/Bay Area Creative Reuse reports, DOC reports See Attachment C- Dropoff Center Data

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	73784	6.3%			
Residential Composting Activities					
Green Waste Drop-off	29579	2.5%			
Curbside Green Waste	52584	4.5%	Greenwaste	Actual tonnages	SCWMA report-See Attachment A- Residential Curbside Greenwaste
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	82163	7.0%			
Subtotal, Residential Diversion	160247	13.7%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	939	0.1%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Public Agency Grasscycling	3657	0.3%	Grass	481.18 acres at 7.6 tons/per/acre-CIWMB conversion factor	Interviews with site landscape managers, Sup of City Parks, Recycling Coordinator, Maintenance Supervisor See Attachment E- Grasscycling Data
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	4596	0.4%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Recycling					
Non-Residential Waste Audits*	340412	29.2%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Commercial Recycling Collection	26822	2.3%	Paper, OCC, tins cans, glass, mixed plastic, aluminum, PETE, HDPE	Actual weights, CRV reporting system	SCWMA reports, DOC-See Attachment D -Commercial Generator Data
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	367234	31.5%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*	66407	5.7%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	66407	5.7%			
Subtotal Non-Residential Diversion	438237	37.6%			
Residential/Non- Residential Diversion Activities					
ADC	29237	2.5%	Wood chips, greenwaste, sludge, mixed	Actual tonnages	Marin Co. Department of Public Works, DRS, SCWMA reports See Attachment I -Alternative Daily Cover
Sludge	3708	0.3%	Sludge-composted and land application	Actual tonnages	Laguna Wastewater Treatment Plant Manager-See Attachment H - Sludge Composting and Land Application
Scrap Metal	8587	0.7%	Non-ferrous and ferrous metals	Actual Tonnages	Business Waste Audits, North Bay Reports, C and D Program, County Drop-off: see Attachments C, D, and G(9) and Table 2 Section 2 - Scrap Metal Summary
Construction and Demolition	2513	0.2%	Wood, OCC, tin	Actual Tonnages	North Bay Facility Reports See Attachment J- C&D Collection Program
Landfill Salvage					
Subtotal Residential/ Non-Residential Diversion	44045	3.8%			
Total Res/Non-Res Source Reduction Tons	8896	0.8%			
Total Diversion Tons	642529	55.1%			
Total Disposal Tons from Sec.7	523407	44.9%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Total Generation Tons (Div+Dis)	1165936				
Diversion Rate	55%				

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Inerts processor	G99	Concrete and Asphalt processing		77821		77821	6.7%	Interview
Inerts processor	G101	Concrete and Asphalt processing		60000		60000	5.1%	Interview
Inerts processor	G96	Concrete and Asphalt processing		49242		49242	4.2%	Interview
Inerts processor	G100	Concrete and Asphalt processing		38161		38161	3.3%	Interview
Inerts processor	G97	Concrete and Asphalt processing		37197		37197	3.2%	Interview
Inerts processor	G95	Concrete and Asphalt processing		32066		32066	2.8%	Interview
Compost processor	G14	Composting-horse manure			22400	22400	1.9%	Interview
Inerts processor	G98	Concrete and Asphalt processing		22212		22212	1.9%	Interview
Compost processor	G13	Composting-dairy manure			7814	7814	0.7%	Interview
Winery	G47	Pomace composting			6000	6000	0.5%	Mail Survey
Totals				316699	36214	352913	30.3%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

G99- Actual tonnages provided by quarry engineer
G-101- Weighed tonnage from scale receipts
G-96- Weighed tonnage from scale receipts
G100- Actual weight provided by operations personnel
G97- Weighed tonnage from scale receipts
G95- Measured in debris box and truckload quantities @ 1,855 lbs/cy
G14- 32,000 cy/year @ 1,400 lbs/cy
G98- Weighed tonnage from scale receipts
G13- Actual tonnage provided by business representative
G47- 40,000 tons crushed -15% of total crush is 6,000 tons

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: *program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.)."*

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Pull Down for Waste Types ▼	See Attached Restricted Waste Spreadsheet		
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. **Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: *If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.*

Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** *Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.*

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Table 1
Preliminary Results for 2003 SCWMA Base Year Study

Diversion Categories	Preliminary Tons of Documented Diversion
Residential Curbside Recycling and Greenwaste (Franchisees)	101,594.35
Buyback Centers	5,851.84
Drop-Off Centers	49,124.49
Commercial Recycling Programs	26,821.76
Grasscycling	3,656.97
Backyard Composting	3,676.00
Business Audits - Source Reduction	939.1
Business Audits - Recycling	340,412.07
Business Audits - Composting	66,406.74
Sludge Composting and Land Application	3,708.00
ADC	29,236.73
C & D Collection and Dropoff Programs	2,513.5
Scrap Metal (<i>Adjusted</i>)	8,587.1
Subtotal - Preliminary 2003 Diversion	642,528.58
Total Disposal	544,757.00
Credit for Contaminated Soil Disposed at Central Landfill	(20,196.35)
Credit for Indian Lands Waste	(1,153.17)
Adjusted 2003 Disposal Tonnage	523,407.48
Total Generation	1,165,936.1
Preliminary 2003 Diversion Rate	55.1%

Table 1
Preliminary Results for 2003 Sonoma County Base Year Study

Diversion Categories	Preliminary Tons of Documented Diversion	Notes
Residential Curbside Recycling and Greenwaste (Franchisees)	101,594.35	Attachment A - Reported by SCWMA and DOC
Buyback Centers	5,851.84	Attachment B - R3 Survey and DOC Report
Drop-Off Centers	49,124.49	Attachment C - Reported by SCWMA
Commercial Recycling Programs	26,821.76	Attachment D - Reported by SCWMA and DOC
Grasscycling	3,656.97	Attachment E - R3 Surveys
Backyard Composting	3,676.00	Attachment F - UC Extension Annual Report
Business Audits - Source Reduction	939.1	Attachment G - R3 surveys
Business Audits - Recycling	340,412.07	Attachment G - R3 surveys
Business Audits - Composting	66,406.74	Attachment G - R3 surveys
Sludge Composting and Land Application	3,708.00	Attachment H - R3 Surveys
ADC	29,236.73	Attachment I - SCWMA Report and Preliminary DRS Data
C & D Collection and Dropoff Programs	2,513.5	Attachment J - SCWMA Report and Preliminary DRS Data
Scrap Metal (<i>Adjusted</i>)	8,587.1	Section 2 - Table 2
2003 Documented Diversion Tonnage	642,528.58	
Gross Disposal Tonnage	544,757.00	Attachment K - Preliminary DRS Report from CIWMB
Credit for Contaminated Soil Disposed at Central Landfill	(20,196.35)	Attachment K - Reported by SCWMA
Credit for Indian Lands Waste	(1,153.17)	Attachment K - Reported by SCWMA
2003 Adjusted Disposal Tonnage	523,407.48	
Total Generation	1,165,936.1	
2003 Preliminary Diversion Rate	55.1%	

Table 2					
Sonoma County Scrap Metal Summary					
	1990 Tons (as adjusted in 1994)		Pre-1990 Program Tons (identified in current study)	Post 1990 Program Tons (identified in current study)	Notes
1990 Tons	26,089.00				See attached letter dated 12/06/94
County Drop-off and Floor Sort			10,345.13		Ref C-1
Metal Recycler			3,200.00		Ref G-10
Metal Recycler			18,000.00		Ref G-10
Commercial Program				1,020.83	Ref D-1
Technology Company				583.00	Ref G-3
Technology Company				2.00	Ref G-6
Recycling Company				300.00	Ref G-11
Inerts Processor				1,200.00	Ref G-100
C&D Program				25.09	Ref J-1
Totals	26,089.00		31,545.13	3,130.92	
Total Identified 2003 Scrap Metal Diversion				34,676.05	
Net 1990 Diversion				(26,089.00)	
Total 2003 Scrap Metal Diversion Credit				8,587.05	

Table 3	
2003 Pomace Tonnage Summary	
Total Pomace Recycling Identified in 2003	27,325.03
Ag crop residue diverted in 1990 per County-wide Waste Generation Study	(907.00)
Total 2003 Pomace Diversion Credit	26,418.03

Attachment A											
Sonoma County Residential Curbside Recycling and Greenwaste Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
A1	Residential Curbside	Res	Newspaper		9,528.00				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	OCC		8,090.89				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Mixed paper		13,708.08				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Office paper		3,831.00				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Tin Cans		1,055.98				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Mixed Plastic		517.09				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Greenwaste			52,584.26			SCWMA reports	actual tonnage	
A2	Residential Curbside	Res	Glass		10,946.15				DOC	CRV reporting system	
A2	Residential Curbside	Res	Aluminum		136.65				DOC	CRV reporting system	
A2	Residential Curbside	Res	HDPE		418.40				DOC	CRV reporting system	
A2	Residential Curbside	Res	PETE		777.85				DOC	CRV reporting system	
	Totals				49,010.09	52,584.26					
	Total 2003 Residential Curbside Recycling and Greenwaste Diversion						101,594.35				

Attachment B											
Sonoma County Buyback Center Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
B1	Buyback Center	Res	OCC		430.00				Waste audit	Actual tonnage	
B1	Buyback Center	Res	Mixed Paper		301.00				Waste audit	Actual tonnage	
B2	Buyback Center	Res	Aluminum		1,096.74				DOC	CRV reporting system	
B2	Buyback Center	Res	Glass		3,607.20				DOC	CRV reporting system	
B2	Buyback Center	Res	PETE		375.98				DOC	CRV reporting system	
B2	Buyback Center	Res	HDPE		40.83				DOC	CRV reporting system	
B2	Buyback Center	Res	Bimetal		0.09				DOC	CRV reporting system	
Total 2003 Buyback Center Diversion					5,851.84						

Attachment C											
Sonoma County Dropoff Center Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
C1	Dropoff Centers	Res	Newspaper		703.09				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	OCC		1,074.56				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Mixed Paper		177.47				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Window panes		45.99				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Scrap metal		10,345.13				SCWMA report	Actual weight	See Table 2 in Section 2
C1	Dropoff Centers	Res	Tin Cans		573.78				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Dirt		2,822.73				SCWMA report	Actual weight	Restricted waste - Table 10 Section 3
C1	Dropoff Centers	Res	Concrete		84.20				SCWMA report	Actual weight	Restricted waste - Table 10 Section 3
C1	Dropoff Centers	Res	Rock		156.63				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	C&D		739.01				SCWMA report	Actual weight	Included in Attachment J
C1	Dropoff Centers	Res	Porcelain Fixtures		76.22				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Mixed plastics		92.37				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	CCU - (Commingled Recyclables)		43.87						
C1	Dropoff Centers	Res	Tires		107.09				SCWMA report	Actual weight	See attached letter from North Bay Corp.
C1	Dropoff Centers	Res	Wood		11,496.84				SCWMA report	Actual weight	Wood chipped for path mulch.
C1	Dropoff Centers	Res	Wood				1,348.93		SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Green Waste			29,578.65					
C2	Dropoff Centers	Res	Glass		103.22				DOC	CRV reporting system	
C2	Dropoff Centers	Res	PETE		9.22				DOC	CRV reporting system	
C2	Dropoff Centers	Res	HDPE		5.67				DOC	CRV reporting system	
C2	Dropoff Centers	Res	Aluminum		0.21				DOC	CRV reporting system	

Attachment C											
Sonoma County Dropoff Center Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
C3	Dropoff Centers	Res	Reuse	552.28					SCWMA report	Actual weight	See attached records from Central LF, Healdsburg TS and Sonoma TS
C4	Dropoff Centers	Res	Reuse	71.47					BARC Annual Report		See attached records from BACR
	Totals			623.75	28,657.30	29,578.65	1,348.93				
	Sub-total 2003 Dropoff Center Diversion						60,208.63				
	Scrap Metal						(10,345.13)				See Table 2 in Section 2
	Source Reduction / Reuse						(623.75)				
	Construction & Demolition						(739.01)				Included in Attachment J
	Composting						(29,578.65)				
	2003 Dropoff Center Recycling						18,922.09				As reported on CIWMB NBY form.
	2003 Dropoff Center Source Reduction / Reuse						623.75				As reported on CIWMB NBY form.
	2003 Dropoff Center Composting						29,578.65				As reported on CIWMB NBY form.

Attachment D											
Sonoma County Commercial Generator Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
D1	Commercial Collection	Nonres	Newspaper		1,367.92				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	OCC		17,521.78				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	Mixed paper		5,122.96				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	Office paper		1,143.47				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	Scrap metal		1,020.83				SCWMA report	actual weight	See Table 2 in Section 2
D1	Commercial Collection	Nonres	Tin cans		475.12				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	Mixed plastics		148.11				SCWMA report	actual weight	
D2	Commercial Collection	Nonres	Aluminum		32.19				DOC	CRV reporting system	
D2	Commercial Collection	Nonres	Glass		917.70				DOC	CRV reporting system	
D2	Commercial Collection	Nonres	PETE		59.93				DOC	CRV reporting system	
D2	Commercial Collection	Nonres	HDPE		32.58				DOC	CRV reporting system	
	Total 2003 Commercial Generator Diversion				27,842.59						
	Scrap Metal Deduction				(1,020.83)						See Table 2 in Section 2
	Adjusted 2003 Commercial Generator Diversion				26,821.76						

Attachment E											
Sonoma County Public Agency Grasscycling Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
E1	Public Agency Grasscycling	Nonres	Grass	988.00					interview with on-site landscape manager	130 acres @ 7.6 tons/acre/year	
E2	Public Agency Grasscycling	Nonres	Grass	2,090.00					interview with Superintendent of City parks	275 acres @ 7.6 tons/acre/year	
E3	Public Agency Grasscycling	Nonres	Grass	366.17					interview with recycling coordinator	48.18 acres @ 7.6 tons/acre/year	
E4	Public Agency Grasscycling	Nonres	Grass	91.20					interview with maintenance supervisor	12 acres @ 7.6 tons/acre/year	
E5	Public Agency Grasscycling	Nonres	Grass	121.60					interview with District Business Manager	16 acres @ 7.6 tons/acre/year	
Total 2003 Public Agency Grasscycling Diversion				3,656.97							

Attachment F											
Sonoma County Residential Backyard Composting Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
F1	Residential Backyard Compost	Res	Food	762.10					UCCE surveys-	63.5 tons per month of food waste @ 70% participation rate	see attached UCCE annual report)
F1	Residential Backyard Compost	Res	Green Waste	2,913.90					UCCE surveys-	2,913.9 tons per month of green waste @ 70% participation rate	see attached UCCE annual report)
Total 2003 Residential Backyard Compost Diversion				3,676.00							

Attachment G (CIWMB Attachment 9)											
Sonoma County Business and Agency Surveys for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G1	Building material reuse	Nonres	lumber	25.00					interview w/ Operations Director	actual tonnage	
G1	Building material reuse	Nonres	doors, hardware	10.00					interview w/ Operations Director	actual tonnage	
G2	Pallet Recycler	Nonres	Pallets		1,145.00				interview w/ company owner	57,261 pallets recycled in 2003 at 40 lbs/each	
G3	Technology Company	Nonres	Computers	10.00					interview with Facilities Manager	actual tonnage	Computers donated to schools
G3	Technology Company	Nonres	Paper		66.00				interview with Facilities Manager	actual tonnage from document recycler	
G3	Technology Company	Nonres	Plastic Packaging		21.00				interview with Facilities Manager	actual tonnage	
G3	Technology Company	Nonres	Scrap Metal		583.00				interview with Facilities Manager	actual tonnage from recycler	See Table 2 - Section 2
G3	Technology Company	Nonres	Donated Furniture	168.00					interview with Facilities Manager	actual tonnage	furniture donated to schools, nonprofits, etc.
G4	Gardening Service	Nonres	Grasscycling	125.00					interview with Chief Operation Officer	16.5 acres @ 7.6 tons/acre/year	
G4	Gardening Service	Nonres	Yard Clippings			79.00			interview with Chief Operation Officer	300 C.Y. @ 527 lbs/C.Y.	
G5	Gardening Service	Nonres	Grasscycling	380.00					interview w/ company owner	50 acres @ 7.6 tons/acre/year	
G6	Technology Company	Nonres	OCC		35.00				interview with Environmental Manager	actual tonnage	
G6	Technology Company	Nonres	Computers	3.00					interview with Environmental Manager	actual tonnage	Computers donated to schools
G6	Technology Company	Nonres	Mixed paper		28.00				interview with Environmental Manager	actual tonnage	
G6	Technology Company	Nonres	Scrap Metal		2.00				interview with Environmental Manager	actual tonnage	See Table 2 - Section 2
G7	Grocery store	Nonres	Bones/Tallow		420.42				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	OCC		3,405.40				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	Plastics		105.11				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	Produce			1,865.82			interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G8	Grocery store	Nonres	Bones/Tallow		27.20				interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G8	Grocery store	Nonres	OCC		1,064.00				interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County

Attachment G (CIWMB Attachment 9)											
Sonoma County Business and Agency Surveys for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G8	Grocery store	Nonres	Food	31.10					interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G8	Grocery store	Nonres	Plastics		13.80				interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G9	Grocery store	Nonres	Bakery Waste			4.89			interview w/ Corporate Solid Waste Contract Management Firm	1.63 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Bones/Tallow		44.34				interview w/ Corporate Solid Waste Contract Management Firm	14.78 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Paper		1.95				interview w/ Corporate Solid Waste Contract Management Firm	0.65 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Grease / Oil		7.83				interview w/ Corporate Solid Waste Contract Management Firm	2.61 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Newspaper		0.09				interview w/ Corporate Solid Waste Contract Management Firm	0.03 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	OCC		653.40				interview w/ Corporate Solid Waste Contract Management Firm	217.8 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Phonebooks		1.17				interview w/ Corporate Solid Waste Contract Management Firm	.39 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Produce Trim			150.78			interview w/ Corporate Solid Waste Contract Management Firm	50.26 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Stretch Film		12.69				interview w/ Corporate Solid Waste Contract Management Firm	4.23 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Wax OCC		40.26				interview w/ Corporate Solid Waste Contract Management Firm	13.42 tons average per store per year x 3 Sonoma County Stores	
G10	Metal Recycler	Nonres	Non-ferrous		3,200.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G10	Metal Recycler	Nonres	Ferrous		18,000.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G11	Recycling Company	Nonres	Manure			456.00			Interview with owner	651.04 C.Y. @ 1400 lbs/C.Y.	
G11	Recycling Company	Nonres	Ferrous		300.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G12	Food Processor	Nonres	Food Waste		609.00				interview with Plant Manager	actual tonnage	includes soy solids

Attachment G (CIWMB Attachment 9)											
Sonoma County Business and Agency Surveys for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G12	Food Processor	Nonres	Food Waste		735.25				interview with Plant Manager	173,000 gallons of soy whey @ 8.5 lbs/gallon	
G13	Compost Processor	Nonres	Dairy Manure			7,814.40			interview with Company Owner	9,600 C.Y. @ 1,628 lbs/C.Y.	
G13	Compost Processor	Nonres	Horse Manure and Bedding			1,126.80			interview with Company Owner	1,800 C.Y. @ 1,252 lbs/C.Y.	
G13	Compost Processor	Nonres	Grape Pomace			4,300.00			interview with Company Owner	actual tonnage	
G13	Compost Processor	Nonres	Food Waste			432.90			interview with Company Owner	600 C.Y. @ 1,443 lbs/C.Y.	
G13	Compost Processor	Nonres	Fir Shavings			220.00			interview with Company Owner	1000 C.Y. @ 440 lbs/C.Y.	
G14	Compost Processor	Nonres	Horse Manure			22,400.00			interview with Plant Manager	32,000 C.Y. @ 1,400 lbs/C.Y.	
G14	Compost Processor	Nonres	Plant trimmings			1,584.00			interview with Plant Manager	29,331 C.Y. @ 108 lbs/C.Y.	
G15	Compost Processor	Nonres	Concrete/Asphalt		15,000.00				interview with Company Owner	actual tonnage	Restricted waste - see attachment
G15	Compost Processor	Nonres	Sawdust			3,750.00			interview with Company Owner	20,000 C.Y. @ 375 lbs/C.Y.	
G16	Regional Park Agency	Nonres	Manure			75.12			Recycling Coordinator	120 C.Y. @ 1,252 lbs/C.Y.	
G17	Winery	Nonres	Pomace			24.00			SCWMA Mail Survey	15% of 160 ton grape harvest in 2003	Based on CIWMB conversion factor
G18	Winery	Nonres	Pomace			0.60			SCWMA Survey	15% of 3.9 ton grape harvest in 2003	Based on CIWMB conversion factor
G19	Winery	Nonres	Pomace			1.20			SCWMA Mail Survey	15% of 8 ton grape harvest in 2003	Based on CIWMB conversion factor
G20	Winery	Nonres	Pomace			103.20			SCWMA Survey	15% of 688 ton grape harvest in 2003	Based on CIWMB conversion factor
G21	Winery	Nonres	Pomace			150.00			SCWMA Survey	15% of 1,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G22	Winery	Nonres	Pomace			43.50			SCWMA Survey	15% of 290 ton grape harvest in 2003	Based on CIWMB conversion factor
G23	Winery	Nonres	Pomace			60.00			SCWMA Survey	15% of 400 ton grape harvest in 2003	Based on CIWMB conversion factor
G24	Winery	Nonres	Pomace			12.60			SCWMA Mail Survey	15% of 82 ton grape harvest in 2003	Based on CIWMB conversion factor
G25	Winery	Nonres	Pomace			7.50			SCWMA Survey	15% of 50 ton grape harvest in 2003	Based on CIWMB conversion factor
G26	Winery	Nonres	Pomace			75.00			SCWMA Survey	15% of 500 ton grape harvest in 2003	Based on CIWMB conversion factor
G27	Winery	Nonres	Pomace			105.00			SCWMA Survey	15% of 700 ton grape harvest in 2003	Based on CIWMB conversion factor
G28	Winery	Nonres	Pomace			88.50			SCWMA Survey	15% of 590.3 ton grape harvest in 2003	Based on CIWMB conversion factor
G29	Winery	Nonres	Pomace			414.75			SCWMA Mail Survey	15% of 2,765 ton grape harvest in 2003	Based on CIWMB conversion factor
G30	Winery	Nonres	Pomace			124.50			SCWMA Mail Survey	15% of 830 ton grape harvest in 2003	Based on CIWMB conversion factor
G31	Winery	Nonres	Pomace			8.25			SCWMA Mail Survey	15% of 55 ton grape harvest in 2003	Based on CIWMB conversion factor
G32	Winery	Nonres	Pomace			1,169.25			SCWMA Mail Survey	15% of 7,795 ton grape harvest in 2003	Based on CIWMB conversion factor
G33	Winery	Nonres	Pomace			9.75			SCWMA Mail Survey	15% of 65 ton grape harvest in 2003	Based on CIWMB conversion factor
G34	Winery	Nonres	Pomace			3,600.00			SCWMA Mail Survey	15% of 24,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G35	Winery	Nonres	Pomace			75.00			SCWMA Mail Survey	15% of 500 ton grape harvest in 2003	Based on CIWMB conversion factor

Attachment G (CIWMB Attachment 9)											
Sonoma County Business and Agency Surveys for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G36	Winery	Nonres	Pomace			31.05			SCWMA Mail Survey	15% of 207 ton grape harvest in 2003	Based on CIWMB conversion factor
G37	Winery	Nonres	Pomace			2.25			SCWMA Mail Survey	15% of 15 ton grape harvest in 2003	Based on CIWMB conversion factor
G38	Winery	Nonres	Pomace			60.00			SCWMA Mail Survey	15% of 400 ton grape harvest in 2003	Based on CIWMB conversion factor
G39	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G40	Winery	Nonres	Pomace			32.40			SCWMA Mail Survey	15% of 216 ton grape harvest in 2003	Based on CIWMB conversion factor
G41	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G42	Winery	Nonres	Pomace			515.55			SCWMA Mail Survey	15% of 3,437 ton grape harvest in 2003	Based on CIWMB conversion factor
G43	Winery	Nonres	Pomace			22.50			SCWMA Mail Survey	15% of 150 ton grape harvest in 2003	Based on CIWMB conversion factor
G44	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G45	Winery	Nonres	Pomace			4.50			SCWMA Mail Survey	15% of 30 ton grape harvest in 2003	Based on CIWMB conversion factor
G46	Winery	Nonres	Pomace			21.00			SCWMA Mail Survey	15% of 140 ton grape harvest in 2003	Based on CIWMB conversion factor
G47	Winery	Nonres	Pomace			6,000.00			SCWMA Mail Survey	15% of 40,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G48	Winery	Nonres	Pomace			1,110.00			SCWMA Mail Survey	15% of 7,400 ton grape harvest in 2003	Based on CIWMB conversion factor
G49	Winery	Nonres	Pomace			320.25			SCWMA Mail Survey	15% of 2,135 ton grape harvest in 2003	Based on CIWMB conversion factor
G50	Winery	Nonres	Pomace			16.50			SCWMA Mail Survey	15% of 110 ton grape harvest in 2003	Based on CIWMB conversion factor
G51	Winery	Nonres	Pomace			60.75			SCWMA Mail Survey	15% of 405 ton grape harvest in 2003	Based on CIWMB conversion factor
G52	Winery	Nonres	Pomace			15.08			SCWMA Mail Survey	15% of 100.5 ton grape harvest in 2003	Based on CIWMB conversion factor
G53	Winery	Nonres	Pomace			63.75			SCWMA Mail Survey	15% of 425 ton grape harvest in 2003	Based on CIWMB conversion factor
G54	Winery	Nonres	Pomace			20.10			SCWMA Mail Survey	15% of 134 ton grape harvest in 2003	Based on CIWMB conversion factor
G55	Winery	Nonres	Pomace			1,015.05			SCWMA Mail Survey	15% of 6,767 ton grape harvest in 2003	Based on CIWMB conversion factor
G56	Winery	Nonres	Pomace			1,723.50			SCWMA Mail Survey	15% of 11,490 ton grape harvest in 2003	Based on CIWMB conversion factor
G57	Winery	Nonres	Pomace			369.20			SCWMA Survey	15% of 2461.5 ton grape harvest in 2003	Based on CIWMB conversion factor
G58	Winery	Nonres	Pomace			52.50			SCWMA Mail Survey	15% of 350 ton grape harvest in 2003	Based on CIWMB conversion factor
G59	Winery	Nonres	Pomace			10.50			SCWMA Mail Survey	15% of 70 ton grape harvest in 2003	Based on CIWMB conversion factor
G60	Winery	Nonres	Pomace			28.20			SCWMA Mail Survey	15% of 188 ton grape harvest in 2003	Based on CIWMB conversion factor
G61	Winery	Nonres	Pomace			46.95			SCWMA Mail Survey	15% of 313 ton grape harvest in 2003	Based on CIWMB conversion factor
G62	Winery	Nonres	Pomace			8.34			SCWMA Mail Survey	15% of 55.61 ton grape harvest in 2003	Based on CIWMB conversion factor
G63	Winery	Nonres	Pomace			82.74			SCWMA Mail Survey	15% of 551.62 ton grape harvest in 2003	Based on CIWMB conversion factor
G64	Winery	Nonres	Pomace			31.65			SCWMA Mail Survey	15% of 211 ton grape harvest in 2003	Based on CIWMB conversion factor

Attachment G (CIWMB Attachment 9)											
Sonoma County Business and Agency Surveys for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G65	Winery	Nonres	Pomace			41.25			SCWMA Mail Survey	15% of 275 ton grape harvest in 2003	Based on CIWMB conversion factor
G66	Winery	Nonres	Pomace			52.50			SCWMA Mail Survey	15% of 350 ton grape harvest in 2003	Based on CIWMB conversion factor
G67	Winery	Nonres	Pomace			347.84			SCWMA Mail Survey	15% of 2,318.9 ton grape harvest in 2003	Based on CIWMB conversion factor
G68	Winery	Nonres	Pomace			114.60			SCWMA Mail Survey	15% of 764 ton grape harvest in 2003	Based on CIWMB conversion factor
G69	Winery	Nonres	Pomace			99.00			SCWMA Mail Survey	15% of 660 ton grape harvest in 2003	Based on CIWMB conversion factor
G70	Winery	Nonres	Pomace			2.70			SCWMA Mail Survey	15% of 18 ton grape harvest in 2003	Based on CIWMB conversion factor
G71	Winery	Nonres	Pomace			12.00			SCWMA Mail Survey	15% of 80 ton grape harvest in 2003	Based on CIWMB conversion factor
G72	Winery	Nonres	Pomace			45.90			SCWMA Mail Survey	15% of 306 ton grape harvest in 2003	Based on CIWMB conversion factor
G73	Winery	Nonres	Pomace			1,129.50			SCWMA Mail Survey	15% of 7,530 ton grape harvest in 2003	Based on CIWMB conversion factor
G74	Winery	Nonres	Pomace			0.75			SCWMA Mail Survey	15% of 5 ton grape harvest in 2003	Based on CIWMB conversion factor
G75	Winery	Nonres	Pomace			1,557.60			SCWMA Mail Survey	15% of 10,384 ton grape harvest in 2003	Based on CIWMB conversion factor
G76	Winery	Nonres	Pomace			12.00			SCWMA Mail Survey	15% of 80 ton grape harvest in 2003	Based on CIWMB conversion factor
G77	Winery	Nonres	Pomace			32.25			SCWMA Mail Survey	15% of 215 ton grape harvest in 2003	Based on CIWMB conversion factor
G78	Winery	Nonres	Pomace			1.80			SCWMA Mail Survey	15% of 12 ton grape harvest in 2003	Based on CIWMB conversion factor
G79	Winery	Nonres	Pomace			33.45			SCWMA Mail Survey	15% of 223 ton grape harvest in 2003	Based on CIWMB conversion factor
G80	Winery	Nonres	Pomace			51.60			SCWMA Mail Survey	15% of 344 ton grape harvest in 2003	Based on CIWMB conversion factor
G81	Winery	Nonres	Pomace			358.05			SCWMA Mail Survey	15% of 2,387 ton grape harvest in 2003	Based on CIWMB conversion factor
G82	Winery	Nonres	Pomace			12.60			SCWMA Mail Survey	15% of 84.01 ton grape harvest in 2003	Based on CIWMB conversion factor
G83	Winery	Nonres	Pomace			25.17			SCWMA Mail Survey	15% of 167.8 ton grape harvest in 2003	Based on CIWMB conversion factor
G84	Winery	Nonres	Pomace			190.65			SCWMA Mail Survey	15% of 1,271 ton grape harvest in 2003	Based on CIWMB conversion factor
G85	Winery	Nonres	Pomace			632.10			SCWMA Mail Survey	15% of 4,214 ton grape harvest in 2003	Based on CIWMB conversion factor
G86	Winery	Nonres	Pomace			360.00			SCWMA Mail Survey	15% of 2,400 ton grape harvest in 2003	Based on CIWMB conversion factor
G87	Winery	Nonres	Pomace			33.75			SCWMA Mail Survey	15% of 225 ton grape harvest in 2003	Based on CIWMB conversion factor
G88	Winery	Nonres	Pomace			9.00			SCWMA Mail Survey	15% of 60 ton grape harvest in 2003	Based on CIWMB conversion factor
G89	Winery	Nonres	Pomace			0.90			SCWMA Mail Survey	15% of 6 ton grape harvest in 2003	Based on CIWMB conversion factor
G90	Winery	Nonres	Pomace			7.50			SCWMA Mail Survey	15% of 50 ton grape harvest in 2003	Based on CIWMB conversion factor
G91	Winery	Nonres	Pomace			51.30			SCWMA Mail Survey	15% of 342 ton grape harvest in 2003	Based on CIWMB conversion factor
G92	Winery	Nonres	Pomace			24.03			SCWMA Mail Survey	15% of 160.2 ton grape harvest in 2003	Based on CIWMB conversion factor
G93	Winery	Nonres	Pomace			30.00			SCWMA Mail Survey	15% of 200 ton grape harvest in 2003	Based on CIWMB conversion factor

Attachment G (CIWMB Attachment 9)											
Sonoma County Business and Agency Surveys for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G94	Winery	Nonres	Pomace			7.08			SCWMA Mail Survey	15% of 47.2 ton grape harvest in 2003	Based on CIWMB conversion factor
G95	Inerts Processor	Nonres	Concrete/Asphalt		32,066.00				interview with Facility Manager	34,573 C.Y. @ 1,855 lbs C.Y.	See Table 10 - Section 3
G96	Inerts Processor	Nonres	Concrete/Asphalt		49,242.00				interview with Operations Manager	actual tonnage	See Table 10 - Section 3
G97	Inerts Processor	Nonres	Concrete/Asphalt		37,197.00				interview with Office Manager	actual tonnage	See Table 10 - Section 3
G98	Inerts Processor	Nonres	Concrete/Asphalt		22,212.00				Company Vice-President	actual tonnage	See Table 10 - Section 3
G99	Inerts Processor	Nonres	Concrete/Asphalt		77,821.00				interview with Quarry Engineer	actual tonnage	See Table 10 - Section 3
G100	Inerts Processor	Nonres	Concrete/Asphalt		38,161.00				interview with Operations Manager	actual tonnage	See Table 10 - Section 3
G100	Inerts Processor	Nonres	Scrap Metal		1,200.00				interview with Operations Manager	actual tonnage	See Table 2 - Section 2
G101	Inerts Processor	Nonres	Concrete/Asphalt		60,000.00				interview with Company Employee	actual tonnages	See Table 10 - Section 3
G102	Sonoma State University	Nonres	Source Reduction	23.50					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Materials Exchange	42.00					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Salvage yards	6.00					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Cardboard		49.10				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Office paper		102.80				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Plastics		1.10				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Grasscycling	115.50					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Composting			29.00			AB 75 Report	actual tonnages	
G103	County Office In-house	Nonres	Mixed paper		123.16						
	Total 2003 Business and Agency Audits			939.10	363,697.07	67,313.74	-	-			
	1990 Pomace Deduction					(907.00)					See Table 3 in Section 2 - Pomace adjustment
	Scrap Metal Deduction				(23,285)						See Table 2 in Section 2 - Scrap Metal Summary
	Adjusted Totals			939.10	340,412.07	66,406.74					
	Adjusted Total Business and Agency Audits						407,757.91				

Attachment H											
Sonoma County Sludge Composting and Land Application for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
H1	Municipal Wastewater Treatment Plant	Nonres	sludge			1,414.00			Laguna Wastewater Treatment Plant Manager	actual tonnage	Composted
H1	Municipal Wastewater Treatment Plant	Nonres	sludge			2,294.00			Laguna Wastewater Treatment Plant Manager	actual tonnage	Land application
Total 2003 Sludge Composting and Land Application						3,708.00					

Attachment I											
Sonoma County Alternative Daily Cover for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
I1	ADC	Nonres	Mixed					250	CIWMB Disposal Reporting System	actual tonnage	ADC used at Altamont Pass Landfill
I1	ADC	Nonres	Sludge					8	CIWMB Disposal Reporting System	actual tonnage	ADC used at West Contra Costa Landfill
I2	ADC	Nonres	Green Material					7	CIWMB Disposal Reporting System	actual tonnage	ADC used at Keller Canyon Landfill
I2	ADC	Nonres	Green Material					3,557	CIWMB Disposal Reporting System	actual tonnage	ADC used at Redwood Landfill in Marin
I2	ADC	Nonres	Sludge					8,762	CIWMB Disposal Reporting System	actual tonnage	ADC used at Redwood Landfill in Marin
I2	ADC	Nonres	Sludge					8,120	SCWMA Reports	actual tonnage	ADC used at Potrero Hills Landfill
I1	ADC	Nonres	Green Material					8,533	CIWMB Disposal Reporting System	actual tonnage	ADC used at Central Landfill in Sonoma County
Total ADC Diversion for 2003								29,237			

Attachment J											
Sonoma County C & D Collection Program for 2003											
Ref#	Generator Type	Res/ Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement /conversion factor	Notes
J1	C & D Collection Program	Nonres.	Wood		1,708.51				SCWMA reports	actual tonnage	Used as mulch and landscape materials
J1	C & D Collection Program	Nonres.	OCC		11.76				SCWMA reports	actual tonnage	
J1	C & D Collection Program	Nonres.	Tin		29.11				SCWMA reports	actual tonnage	
J1	C & D Collection Program	Nonres.	Metal		25.09				SCWMA reports	actual tonnage	Restricted Waste - Table 2 in Section 2
	Total C & D Collection Program				1,774.47						
J2	C & D Dropoff Program				739.01					actual tonnage	
	Total C & D Collection and Dropoff Program				2,513.48						

Attachment K		
Sonoma County 2003 Disposal		
Ref#	2003 Disposed Tonnage	Data Source
K1	544,757.00	Preliminary DRS Tonnage
K2	(20,196.35)	Credit for Contaminated Soil
K3	(1,153.17)	Credit for Indian Land Waste
	523,407.48	Adjusted Disposal Tonnage

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G3	Scrap Metal	Business Recycling Program	Table 2 - Section 2	583.00
G6	Mixed Scrap Metal	Business Recycling Program	Table 2 - Section 2	2.00
G10	Non- Ferrous Metals	Business Recycling Program	Table 2 - Section 2	3,200.00
G10	Ferrous Metals	Business Recycling Program	Table 2 - Section 2	18,000
G11	Ferrous Metals	Business Recycling Program	Table 2 - Section 2	300.00
Attachement J	Metal	County C & D Colletion Program	Table 2 - Section 2	25.09
Attachment D	Scrap Metal	Commercial Collection	Table 2 - Section 2	1,020.83
Attachment C	Scrap Metal	Dropoff Center Data for 2003	Table 2 - Section 2	10,076.48
G100	Ferrous Metals	Business Recycling Program	Table 2 - Section 2	1,200.00
Sub-Total: 2003 Scrap Metal Recycling				34,407.40
G13	Grape Pomace	Composting	Table 3 - Section 2	4,300.00
G17	Grape Pomace	Composting	Table 3 - Section 2	24.00
G18	Grape Pomace	Composting	Table 3 - Section 2	0.60
G19	Grape Pomace	Composting	Table 3 - Section 2	1.20
G20	Grape Pomace	Composting	Table 3 - Section 2	103.20
G21	Grape Pomace	Composting	Table 3 - Section 2	150.00
G22	Grape Pomace	Composting	Table 3 - Section 2	43.50

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G23	Grape Pomace	Composting	Table 3 - Section 2	60.00
G24	Grape Pomace	Composting	Table 3 - Section 2	12.60
G25	Grape Pomace	Composting	Table 3 - Section 2	7.50
G26	Grape Pomace	Composting	Table 3 - Section 2	75.00
G27	Grape Pomace	Composting	Table 3 - Section 2	105.00
G28	Grape Pomace	Composting	Table 3 - Section 2	88.50
G29	Grape Pomace	Composting	Table 3 - Section 2	414.75
G30	Grape Pomace	Composting	Table 3 - Section 2	124.50
G31	Grape Pomace	Composting	Table 3 - Section 2	8.25
G32	Grape Pomace	Composting	Table 3 - Section 2	1,169.25
G33	Grape Pomace	Composting	Table 3 - Section 2	9.75
G34	Grape Pomace	Composting	Table 3 - Section 2	3,600.00
G35	Grape Pomace	Composting	Table 3 - Section 2	75.00
G36	Grape Pomace	Composting	Table 3 - Section 2	31.05
G37	Grape Pomace	Composting	Table 3 - Section 2	2.25
G38	Grape Pomace	Composting	Table 3 - Section 2	60.00
G39	Grape Pomace	Composting	Table 3 - Section 2	3.75

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G40	Grape Pomace	Composting	Table 3 - Section 2	32.40
G41	Grape Pomace	Composting	Table 3 - Section 2	3.75
G42	Grape Pomace	Composting	Table 3 - Section 2	515.55
G43	Grape Pomace	Composting	Table 3 - Section 2	22.50
G44	Grape Pomace	Composting	Table 3 - Section 2	3.75
G45	Grape Pomace	Composting	Table 3 - Section 2	4.50
G46	Grape Pomace	Composting	Table 3 - Section 2	21.00
G47	Grape Pomace	Composting	Table 3 - Section 2	6,000.00
G48	Grape Pomace	Composting	Table 3 - Section 2	1,110.00
G49	Grape Pomace	Composting	Table 3 - Section 2	320.25
G50	Grape Pomace	Composting	Table 3 - Section 2	16.50
G51	Grape Pomace	Composting	Table 3 - Section 2	60.75
G52	Grape Pomace	Composting	Table 3 - Section 2	15.08
G53	Grape Pomace	Composting	Table 3 - Section 2	63.75
G54	Grape Pomace	Composting	Table 3 - Section 2	20.10
G55	Grape Pomace	Composting	Table 3 - Section 2	1,015.05
G56	Grape Pomace	Composting	Table 3 - Section 2	1,723.50

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G57	Grape Pomace	Composting	Table 3 - Section 2	369.20
G58	Grape Pomace	Composting	Table 3 - Section 2	52.50
G59	Grape Pomace	Composting	Table 3 - Section 2	10.50
G60	Grape Pomace	Composting	Table 3 - Section 2	28.20
G61	Grape Pomace	Composting	Table 3 - Section 2	46.95
G62	Grape Pomace	Composting	Table 3 - Section 2	8.34
G63	Grape Pomace	Composting	Table 3 - Section 2	82.74
G64	Grape Pomace	Composting	Table 3 - Section 2	31.65
G65	Grape Pomace	Composting	Table 3 - Section 2	41.25
G66	Grape Pomace	Composting	Table 3 - Section 2	52.50
G67	Grape Pomace	Composting	Table 3 - Section 2	347.84
G68	Grape Pomace	Composting	Table 3 - Section 2	114.60
G69	Grape Pomace	Composting	Table 3 - Section 2	99.00
G70	Grape Pomace	Composting	Table 3 - Section 2	2.70
G71	Grape Pomace	Composting	Table 3 - Section 2	12.00
G72	Grape Pomace	Composting	Table 3 - Section 2	45.90
G73	Grape Pomace	Composting	Table 3 - Section 2	1,129.50

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G74	Grape Pomace	Composting	Table 3 - Section 2	0.75
G75	Grape Pomace	Composting	Table 3 - Section 2	1,557.60
G76	Grape Pomace	Composting	Table 3 - Section 2	12.00
G77	Grape Pomace	Composting	Table 3 - Section 2	32.25
G78	Grape Pomace	Composting	Table 3 - Section 2	1.80
G79	Grape Pomace	Composting	Table 3 - Section 2	33.45
G80	Grape Pomace	Composting	Table 3 - Section 2	51.60
G81	Grape Pomace	Composting	Table 3 - Section 2	358.05
G82	Grape Pomace	Composting	Table 3 - Section 2	12.60
G83	Grape Pomace	Composting	Table 3 - Section 2	25.17
G84	Grape Pomace	Composting	Table 3 - Section 2	190.65
G85	Grape Pomace	Composting	Table 3 - Section 2	632.10
G86	Grape Pomace	Composting	Table 3 - Section 2	360.00
G87	Grape Pomace	Composting	Table 3 - Section 2	33.75
G88	Grape Pomace	Composting	Table 3 - Section 2	9.00
G89	Grape Pomace	Composting	Table 3 - Section 2	0.90
G90	Grape Pomace	Composting	Table 3 - Section 2	7.50

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G91	Grape Pomace	Composting	Table 3 - Section 2	51.30
G92	Grape Pomace	Composting	Table 3 - Section 2	24.03
G93	Grape Pomace	Composting	Table 3 - Section 2	30.00
G94	Grape Pomace	Composting	Table 3 - Section 2	7.08
<i>Sub-Total: 2003 Pomace Composting</i>				27,325.03
G95	Concrete/Asphalt	Business Recycling Program	2001	32,066.00
G15	Concrete/Asphalt	Business Recycling Program	1999	15,000.00
G96	Concrete/Asphalt	Business Recycling Program	1994	49,242.00
G97	Concrete/Asphalt	Business Recycling Program	1996	37,197.00
G98	Concrete/Asphalt	Business Recycling Program	1995	22,212.00
G99	Concrete/Asphalt	Business Recycling Program	1994	77,821.00
G100	Concrete/Asphalt	Business Recycling Program	1991	38,161.00
G101	Concrete/Asphalt	Business Recycling Program	2001	60,000.00
Attachment C	Dirt	Dropoff Center Data for 2003	1991	2,822.73
Attachment C	Concrete/Asphalt	Dropoff Center Data for 2003	1991	84.20
<i>Sub-Total: 2003 Inerts Recycling</i>				334,605.93
Total 2003 Restricted Wastes				396,338.36